

Geoeffectiveness and Interplanetary Features of “slow” CMEs

Bruce T. Tsurutani
Jet Propulsion Laboratory
California Institute of Technology
4800 Oak Grove Drive
Pasadena, CA 91109

Walter D. Gonzalez
Instituto Nacional Pesquisas Espaciais
Sao Jose dos Campos
San Paulo, Brazil

Abstract

Most intense magnetic storms have been associated with fast ICMEs. However, very little is known about the interplanetary (especially the magnetic) structure of slow ICMEs and of their association with magnetic storms. In this paper we will address the latter issue, the internal structure of the ICMEs and their geoeffectiveness. We will also explore possible solar sources of these interplanetary phenomena.